

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 01/24/2018 09:52 AM
Cytometer Baseline: 10/18/2017 09:13 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126155	0	1.45	126001	1.42
Blue	F	SSC	125000	123552	-2	3.18	123809	3.12
Blue	E	FITC	23615	22799	-4	2.65	1017	10.42
Blue	D	PE	26739	26387	-2	2.15	947	10.14
Blue	B	PerCP-Cy5-5	48339	47448	-2	3.59	1362	17.34
Blue	A	PE-Cy7	45021	44244	-2	5.32	685	36.19
Red	C	APC	53064	52300	-2	2.80	2998	9.64
Red	A	APC-Cy7	57175	56432	-2	2.79	1184	11.17
Violet	B	V450	14728	14122	-5	5.23	673	9.91
Violet	A	V500	58621	56820	-4	5.17	2515	7.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19297	2.19	610	-4	N/A	N/A	Pass
Blue	F	SSC	61214	1.55	555	9	N/A	N/A	Pass
Blue	E	FITC	112	39.30	546	-2	0.0201	119	Pass
Blue	D	PE	207	28.88	538	2	0.1430	189	Pass
Blue	B	PerCP-Cy5-5	213	45.98	636	1	0.0096	91	Pass
Blue	A	PE-Cy7	71	128.68	694	1	0.0115	22	Pass
Red	C	APC	348	27.95	598	1	0.0195	43	Pass
Red	A	APC-Cy7	130	40.07	580	0	0.0055	1628	Pass
Violet	B	V450	82	44.48	467	-3	0.0434	2089	Pass
Violet	A	V500	182	25.33	494	-3	0.0139	912	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.59	-30.94	0.92
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.35
Red	17.85	14.40 - 21.60	N/A	N/A	30.70	31.35	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 14314

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments